

Specimen Details

Date collected: 01/05/2018 0909 Local
Date received: 01/06/2018
Date entered: 01/09/2018
Date reported: 01/11/2018 1311 ET

General Comments & Additional Information

Total Volume: Not Provided

Fasting: Yes

Ordered Items

NMR LipoProfile; Tracking Missed Test; Written Authorization

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
NMR LipoProfile					
LDL Particle Number					01
LDL-P	2015	High	nmol/L	<1000	01
		Low		< 1000	
		Moderate		1000 - 1299	
		Borderline-High		1300 - 1599	
		High		1600 - 2000	
		Very High		> 2000	
Lipids					01
LDL-C	193	High	mg/dL	0 - 99	
		Optimal		< 100	
		Above optimal		100 - 129	
		Borderline		130 - 159	
		High		160 - 189	
		Very high		> 189	
Comment:					01
LDL-C is inaccurate if patient is non-fasting.					
HDL-C	68		mg/dL	>39	01
Triglycerides	88		mg/dL	0 - 149	01
Cholesterol, Total	279	High	mg/dL	100 - 199	01
LDL and HDL Particles					01
HDL-P (Total)	30.7		umol/L	>=30.5	01
Small LDL-P	249		nmol/L	<=527	01
LDL Size	21.8		nm	>20.5	01

**** INTERPRETATIVE INFORMATION****
PARTICLE CONCENTRATION AND SIZE

	--Lower CVD Risk		Higher CVD Risk-->		
LDL AND HDL PARTICLES	Percentile	in	Reference	Population	
HDL-P (total)	High	75th	50th	25th	Low
	>34.9	34.9	30.5	26.7	<26.7
Small LDL-P	Low	25th	50th	75th	High
	<117	117	527	839	>839
LDL Size	--Large (Pattern A)-->		--Small (Pattern B)-->		
	23.0	20.6	20.5	19.0	

Patient ID:

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
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Comment: 01

Small LDL-P and LDL Size are associated with CVD risk, but not after LDL-P is taken into account. These assays were developed and their performance characteristics determined by LipoScience. These assays have not been cleared by the US Food and Drug Administration. The clinical utility of these laboratory values have not been fully established.

Insulin Resistance Score 01

LP-IR Score <25 <=45 01

INSULIN RESISTANCE MARKER
 <--Insulin Sensitive Insulin Resistant-->
 Percentile in Reference Population

Insulin Resistance Score
 LP-IR Score Low 25th 50th 75th High
 <27 27 45 63 >63

Comment: 01

LP-IR Score is inaccurate if patient is non-fasting. The LP-IR score is a laboratory developed index that has been associated with insulin resistance and diabetes risk and should be used as one component of a physician's clinical assessment. The LP-IR score listed above has not been cleared by the US Food and Drug Administration.

Written Authorization

Written Authorization Received. 02
 Authorization received from ORIGINAL REQUISITION 01-09-2018
 Logged by Raquel Rodriguez

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For inquiries, the physician may contact **Branch: 888-522-2677 Lab: 800-762-4344**

**Specimen Details**

Date collected: 01/05/2018 0909 Local

Date received: 01/06/2018

Date entered: 01/06/2018

Date reported: 01/09/2018 1612 ET

General Comments & Additional Information

Total Volume: Not Provided

Fasting: Yes

Ordered Items

CBC With Differential/Platelet; Comp. Metabolic Panel (14); Lipid Panel; Hemoglobin A1c; Cortisol; C-Reactive Protein, Cardiac; Insulin; Venipuncture

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
CBC With Differential/Platelet					
WBC	6.5		x10E3/uL	3.4 - 10.8	01
RBC	4.92		x10E6/uL	3.77 - 5.28	01
Hemoglobin	14.9		g/dL	11.1 - 15.9	01
Hematocrit	45.9		%	34.0 - 46.6	01
MCV	93		fL	79 - 97	01
MCH	30.3		pg	26.6 - 33.0	01
MCHC	32.5		g/dL	31.5 - 35.7	01
RDW	13.7		%	12.3 - 15.4	01
Platelets	310		x10E3/uL	150 - 379	01
Neutrophils	56		%	Not Estab.	01
Lymphs	35		%	Not Estab.	01
Monocytes	7		%	Not Estab.	01
Eos	2		%	Not Estab.	01
Basos	0		%	Not Estab.	01
Neutrophils (Absolute)	3.6		x10E3/uL	1.4 - 7.0	01
Lymphs (Absolute)	2.3		x10E3/uL	0.7 - 3.1	01
Monocytes (Absolute)	0.5		x10E3/uL	0.1 - 0.9	01
Eos (Absolute)	0.1		x10E3/uL	0.0 - 0.4	01
Baso (Absolute)	0.0		x10E3/uL	0.0 - 0.2	01
Immature Granulocytes	0		%	Not Estab.	01
Immature Grans (Abs)	0.0		x10E3/uL	0.0 - 0.1	01
Comp. Metabolic Panel (14)					
Glucose, Serum	81		mg/dL	65 - 99	01
BUN	16		mg/dL	6 - 24	01
Creatinine, Serum	0.71		mg/dL	0.57 - 1.00	01
eGFR If NonAfricn Am	102		mL/min/1.73	>59	
eGFR If Africn Am	118		mL/min/1.73	>59	
BUN/Creatinine Ratio	23			9 - 23	

Patient ID:

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
Sodium, Serum	138		mmol/L	134 - 144	01
Potassium, Serum	5.0		mmol/L	3.5 - 5.2	01
Chloride, Serum	99		mmol/L	96 - 106	01
Carbon Dioxide, Total	23		mmol/L	18 - 29	01
Calcium, Serum	9.1		mg/dL	8.7 - 10.2	01
Protein, Total, Serum	7.1		g/dL	6.0 - 8.5	01
Albumin, Serum	4.4		g/dL	3.5 - 5.5	01
Globulin, Total	2.7		g/dL	1.5 - 4.5	
A/G Ratio	1.6			1.2 - 2.2	
Bilirubin, Total	0.3		mg/dL	0.0 - 1.2	01
Alkaline Phosphatase, S	56		IU/L	39 - 117	01
AST (SGOT)	19		IU/L	0 - 40	01
ALT (SGPT)	13		IU/L	0 - 32	01
Lipid Panel					
Cholesterol, Total	273	High	mg/dL	100 - 199	01
Triglycerides	86		mg/dL	0 - 149	01
HDL Cholesterol	68		mg/dL	>39	01
VLDL Cholesterol Calc	17		mg/dL	5 - 40	
LDL Cholesterol Calc	188	High	mg/dL	0 - 99	
Hemoglobin A1c					
Hemoglobin A1c	5.2		%	4.8 - 5.6	01
Please Note:					01
	Pre-diabetes: 5.7 - 6.4				
	Diabetes: >6.4				
	Glycemic control for adults with diabetes: <7.0				
Cortisol	8.7		ug/dL		01
			Cortisol AM	6.2 - 19.4	
			Cortisol PM	2.3 - 11.9	
C-Reactive Protein, Cardiac	4.17	High	mg/L	0.00 - 3.00	01
	Relative Risk for Future Cardiovascular Event				
			Low	<1.00	
			Average	1.00 - 3.00	
			High	>3.00	
Insulin	3.2		uIU/mL	2.6 - 24.9	01

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Dir: Brian Poirier, MD

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